

2120 OIPE

2/28/2002

Serial Number: 09/900,425A

CRF Processing Date: 2/28/2002  
Edited by: AN  
Verified by: AN (STIC staff) Changed a file from non-ASCII to ASCII Changed the margins in cases where the sequence text was wrapped down to the next line. Edited a format error in the Current Application Data section, specifically: Edited the Current Application Data section with the actual current number. The number inputted by the applicant was  the prior application data; or  other \_\_\_\_\_. Added the mandatory heading and subheadings for "Current Application Data". Edited the "Number of Sequences" field. The applicant spelled out a number instead of using an integer. Changed the spelling of a mandatory field (the headings or subheadings), specifically: Corrected the SEQ ID NO when obviously incorrect. The sequence numbers that were edited were: Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited: Corrected subheading placement. All responses must be on the same line as each subheading. If the applicant placed a response below the subheading, this was moved to its appropriate place. Inserted colons after headings/subheadings. Headings edited included: Deleted extra, invalid, headings used by an applicant, specifically: Deleted:  non-ASCII "garbage" at the beginning/end of files;  secretary initials/filename at end of file;  page numbers throughout text;  other invalid text, such as \_\_\_\_\_. Inserted mandatory headings, specifically: Corrected an obvious error in the response, specifically: Edited identifiers where upper case is used but lower case is required, or vice versa. Corrected an error in the Number of Sequences field, specifically: A "Hard Page Break" code was inserted by the applicant. All occurrences had to be deleted. Deleted ending stop codon in amino acid sequences and adjusted the "(A)Length:" field accordingly (error due to a PatentIn bug). Sequences corrected: Other:

\*Examiner: The above corrections must be communicated to the applicant in the first Office Action. DO NOT send a copy of this form.

3/1/95



OIPE

RAW SEQUENCE LISTING DATE: 02/28/2002  
 PATENT APPLICATION: US/09/900,425A TIME: 19:06:20

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 Output Set: N:\CRF3\02282002\I900425A.raw

3 <110> APPLICANT: Wu, Hongjiang  
 4 Crooke, Stanley T.  
 6 <120> TITLE OF INVENTION: Human RNase III and Compositions and Uses Thereof  
 8 <130> FILE REFERENCE: ISPH-0522  
 W--> 9 <140> CURRENT APPLICATION NUMBER: US 09/900,425A  
 C--> 10 <141> CURRENT FILING DATE: 2002-01-29  
 12 <150> PRIOR APPLICATION NUMBER: US 09/479,783  
 13 <151> PRIOR FILING DATE: 2000-01-07  
 15 <150> PRIOR APPLICATION NUMBER: US 08/870,608  
 16 <151> PRIOR FILING DATE: 1997-06-06  
 18 <150> PRIOR APPLICATION NUMBER: US 08/659,440  
 19 <151> PRIOR FILING DATE: 1996-06-06  
 21 <160> NUMBER OF SEQ ID NOS: 36  
 23 <170> SOFTWARE: PatentIn version 3.1  
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 35 cccatatcat caaggagctg ataatctagt ggaagagttt gacgtgtca tacttcacta 180  
 37 tgatatgagg cagtcctctga gcttatatttc tctgttggaaatgtgacata tccaggcgga 240  
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119 aacttcGCCA CCTCCTAGCA aatAGTCCC AAGTCAAACA AACTGACAAA CAGAAAGCTGG 2700  
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206 35 40 45
208 Val Gln Tyr Gln Tyr Glu Pro Pro Ser Ala Pro Ser Thr Thr Phe Ser
209 50 55 60
211 Asn Ser Pro Ala Pro Asn Phe Leu Pro Pro Arg Pro Asp Phe Val Pro
212 65 70 75 80
214 Phe Pro Pro Pro Met Pro Pro Ser Ala Gln Gly Pro Leu Pro Pro Cys
215 85 90 95
217 Pro Ile Arg Pro Pro Phe Pro Asn His Gln Met Arg His Pro Phe Pro
218 100 105 110
220 Val Pro Pro Cys Phe Pro Pro Met Pro Pro Pro Met Pro Cys Pro Asn
221 115 120 125
223 Asn Pro Pro Val Pro Gly Ala Pro Pro Gly Gln Gly Thr Phe Pro Phe
224 130 135 140
226 Met Met Pro Pro Pro Ser Met Pro His Pro Pro Pro Pro Pro Val Met
227 145 150 155 160
229 Pro Gln Gln Val Asn Tyr Gln Tyr Pro Pro Gly Tyr Ser His His Asn
230 165 170 175
232 Phe Pro Pro Pro Ser Phe Asn Ser Phe Gln Asn Asn Pro Ser Ser Phe
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235 Leu Pro Ser Ala Asn Asn Ser Ser Pro His Phe Arg His Leu Pro
236 195 200 205
238 Pro Tyr Pro Leu Pro Lys Ala Pro Ser Glu Arg Arg Ser Pro Glu Arg
239 210 215 220
241 Leu Lys His Tyr Asp Asp His Arg His Arg Asp His Ser His Gly Arg
242 225 230 235 240
244 Gly Glu Arg His Arg Ser Leu Asp Arg Arg Glu Arg Gly Arg Ser Pro
245 245 250 255
247 Asp Arg Arg Arg Gln Asp Ser Arg Tyr Arg Ser Asp Tyr Asp Arg Gly
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253 Arg Glu Arg His Arg His Arg Asp Asn Arg Arg Ser Pro Ser Leu Glu

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262	Ile Ile Lys Asn Thr Asp Ser Trp Ala Pro Pro Leu Glu Ile Val Asn		
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266	355	360	365
268	Lys Asp Arg Trp Ser Asp Asn Gln Ser Ser Gly Lys Asp Lys Asn Tyr		
269	370	375	380
271	Thr Ser Ile Lys Glu Lys Glu Pro Glu Glu Thr Met Pro Asp Lys Asn		
272	385	390	395
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277	His Ser Glu Asn Tyr Tyr Ser Ser Asp Pro Met Asp Gln Val Gly Asp		
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281	435	440	445
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286	Pro Trp Glu Pro Pro Lys Thr Lys Leu Asp Glu Asp Leu Glu Ser Ser		
287	465	470	475
289	Ser Glu Ser Glu Cys Glu Ser Asp Glu Asp Ser Thr Cys Ser Ser Ser		
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292	Ser Asp Ser Glu Val Phe Asp Val Ile Ala Glu Ile Lys Arg Lys Lys		
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295	Ala His Pro Asp Arg Leu His Asp Glu Leu Trp Tyr Asn Asp Pro Gly		
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305	565	570	575
307	Thr Val Ser Pro Pro Thr Asn Phe Leu Thr Asp Arg Pro Thr Val Ile		
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310	Glu Tyr Asp Asp His Glu Tyr Ile Phe Glu Gly Phe Ser Met Phe Ala		
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313	His Ala Pro Leu Thr Asn Ile Pro Leu Cys Lys Val Ile Arg Phe Asn		
314	610	615	620
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 331 Tyr Leu Leu Arg Cys Ser Lys Ala Leu Val Pro Glu Glu Glu Ile Ala  
 332 705 710 715 720  
 334 Asn Met Leu Gln Trp Glu Glu Leu Glu Trp Gln Lys Tyr Ala Glu Glu  
 335 725 730 735  
 337 Cys Lys Gly Met Ile Val Thr Asn Pro Gly Thr Lys Pro Ser Ser Val  
 338 740 745 750  
 340 Arg Ile Asp Gln Leu Asp Arg Glu Gln Phe Asn Pro Asp Val Ile Thr  
 341 755 760 765  
 343 Phe Pro Ile Ile Val His Phe Gly Ile Arg Pro Ala Gln Leu Ser Tyr  
 344 770 775 780  
 346 Ala Gly Asp Pro Gln Tyr Gln Lys Leu Trp Lys Ser Tyr Val Lys Leu  
 347 785 790 795 800  
 349 Arg His Leu Leu Ala Asn Ser Pro Lys Val Lys Gln Thr Asp Lys Gln  
 350 805 810 815  
 352 Lys Leu Ala Gln Arg Glu Glu Ala Leu Gln Lys Ile Arg Gln Lys Asn  
 353 820 825 830  
 355 Thr Met Arg Arg Glu Val Thr Val Glu Leu Ser Ser Gln Gly Phe Trp  
 356 835 840 845  
 358 Lys Thr Gly Ile Arg Ser Asp Val Cys Gln His Ala Met Met Leu Pro  
 359 850 855 860  
 361 Val Leu Thr His His Ile Arg Tyr His Gln Cys Leu Met His Leu Asp  
 362 865 870 875 880  
 364 Lys Leu Ile Gly Tyr Thr Phe Gln Asp Arg Cys Leu Leu Gln Leu Ala  
 365 885 890 895  
 367 Met Thr His Pro Ser His His Leu Asn Phe Gly Met Asn Pro Asp His  
 368 900 905 910  
 370 Ala Arg Asn Ser Leu Ser Asn Cys Gly Ile Arg Gln Pro Lys Tyr Gly  
 371 915 920 925  
 373 Asp Arg Lys Val His His Met His Met Arg Lys Lys Gly Ile Asn Thr  
 374 930 935 940  
 376 Leu Ile Asn Ile Met Ser Arg Leu Gly Gln Asp Asp Pro Thr Pro Ser  
 377 945 950 955 960  
 379 Arg Ile Asn His Asn Glu Arg Leu Glu Phe Leu Gly Asp Ala Val Val  
 380 965 970 975  
 382 Glu Phe Leu Thr Ser Val His Leu Tyr Tyr Leu Phe Pro Ser Leu Glu  
 383 980 985 990  
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 386 995 1000 1005  
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 392 1025 1030 1035 1040  
 394 Ala Asn Cys Phe Glu Ala Leu Ile Gly Ala Val Tyr Leu Glu Gly Ser  
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 398 1060 1065 1070  
 400 Asp Leu Arg Glu Val Trp Leu Asn Tyr Pro Leu His Pro Leu Gln Leu

RAW SEQUENCE LISTING ERROR SUMMARY                   DATE: 02/28/2002  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Invalid Line Length:

The rules require that a line not exceed 72 characters in length. This includes spaces.

Seq#:2; Line(s) 419